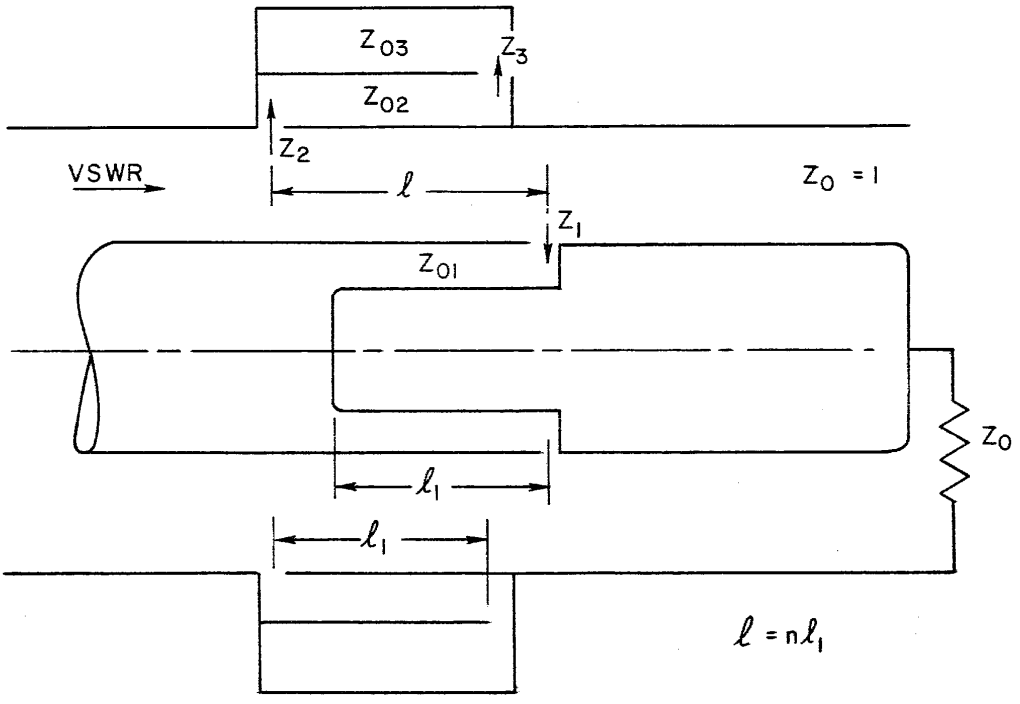


FIGURE 1 - Coaxial Transmission Line with Choke Couplings Used as a Rotary Joint

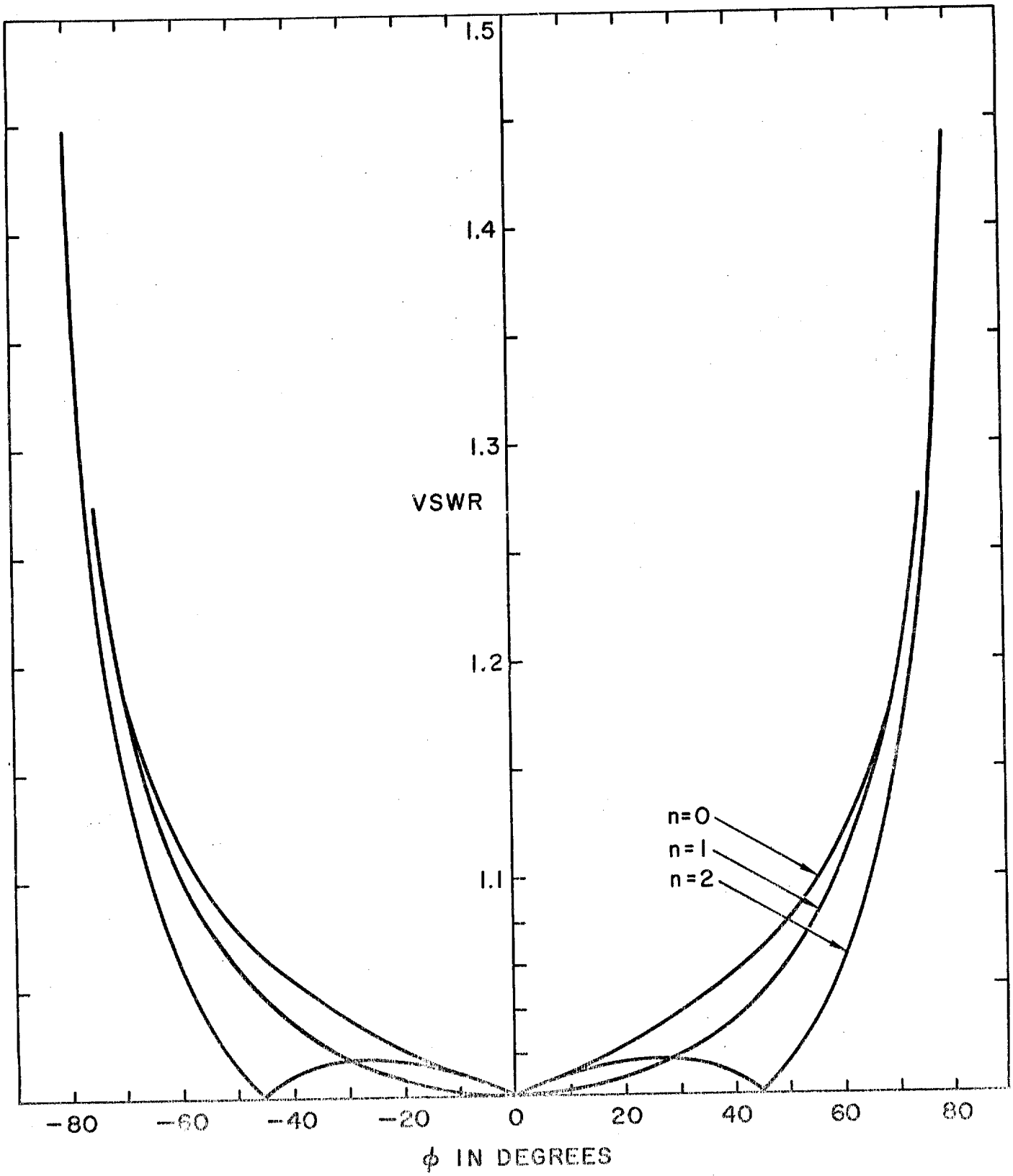


FIGURE 2 - Input VSWR to Coaxial Transmission Line with Choke Couplings for Various Values of n. Choke Impedance, Z_{o1} = .0324 (Normalized to Unity)

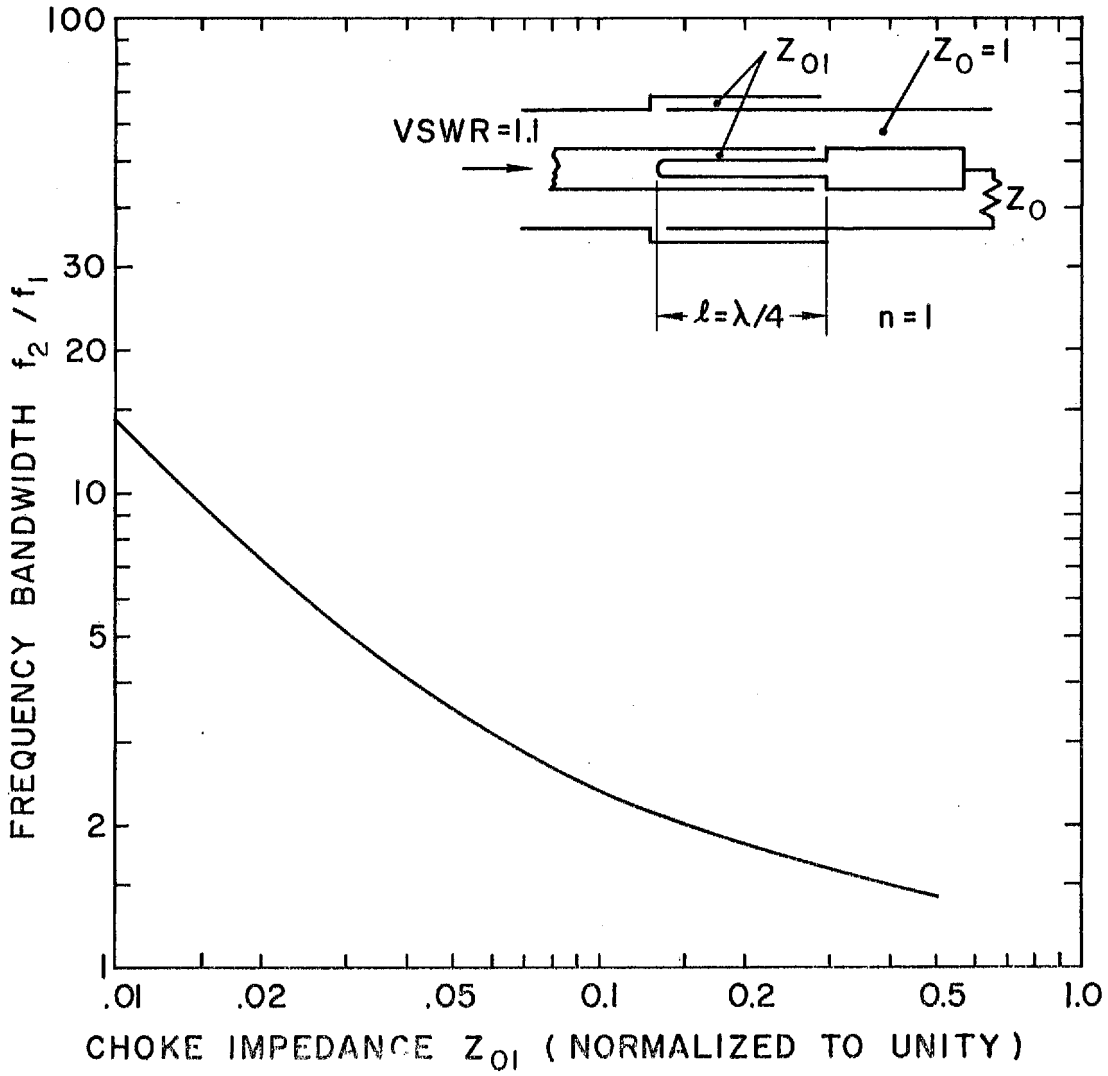
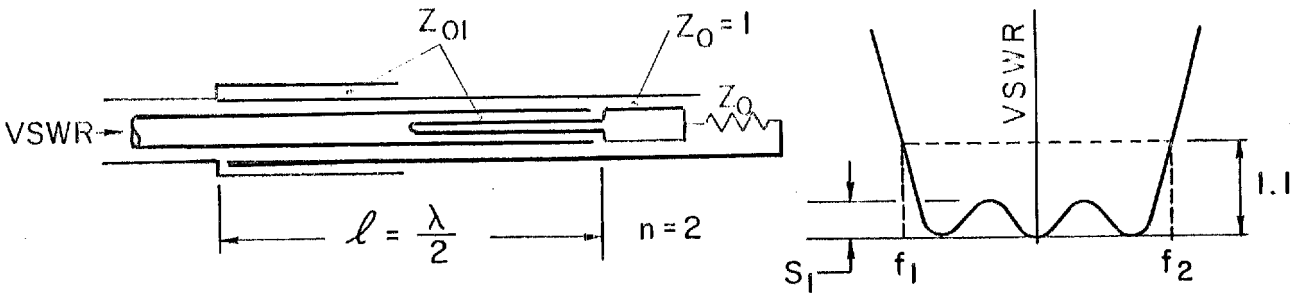
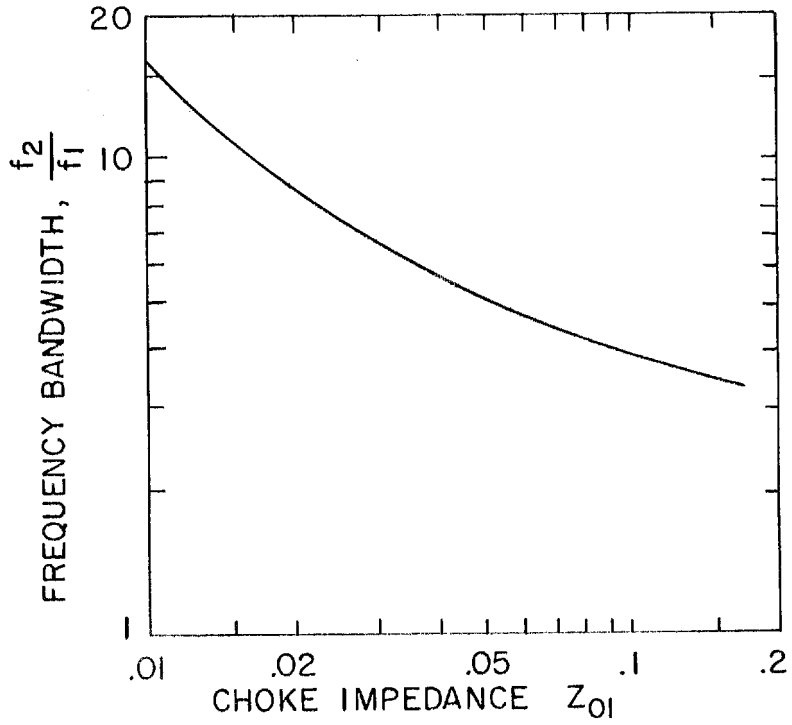
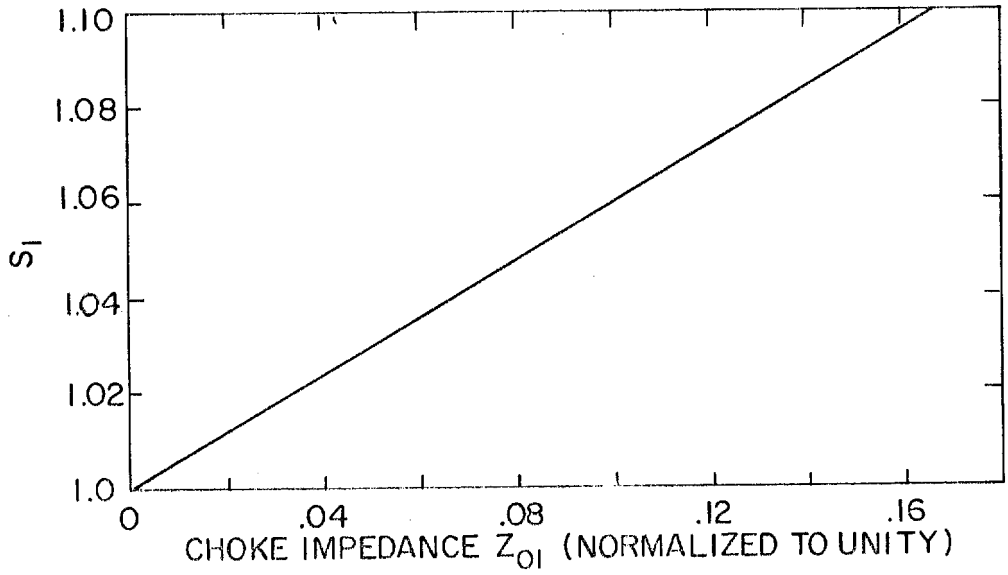


FIGURE 3 - Frequency Bandwidth Curve of Coaxial Transmission Line with Choke Couplings When Chokes are Spaced $\lambda/4$ at the Center Frequency. Bandwidth Determined by the Transmission Line VSWR of 1.1:1





(a)



(b)

FIGURE 4 - Response Curves for Coaxial Transmission Line With Choke Couplings When Chokes are Spaced λ/2 Apart at the Center Frequency. (a) Frequency Bandwidth Determined by the Transmission Line VSWR of 1.1:1. (b) The Value of the Peak VSWR Within the Band Limits

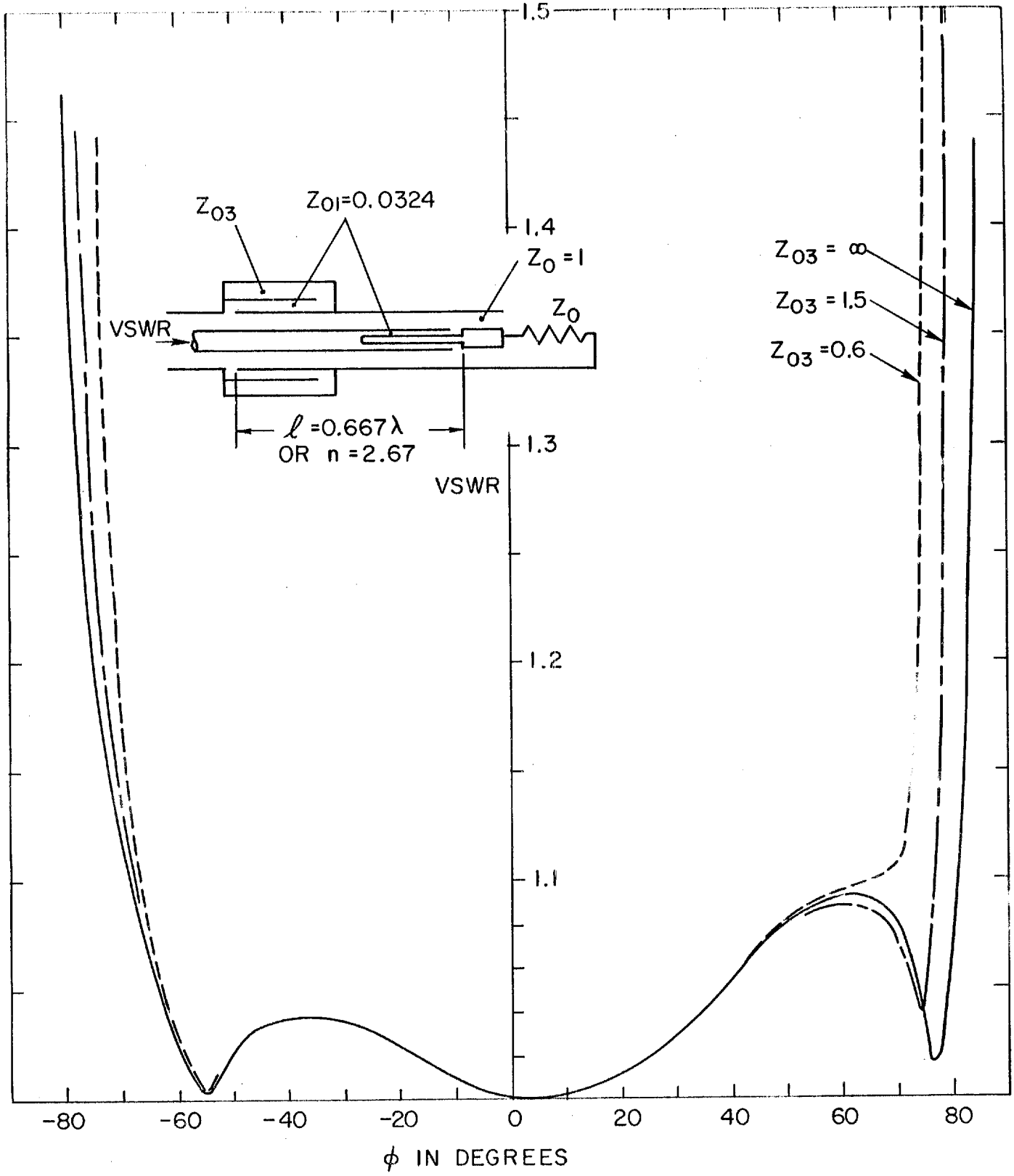


FIGURE 5 - Input VSWR Curve of Coaxial Transmission Line With Choke Couplings When Chokes are Spaced 0.677λ Apart for Z_{o1} = 0.0324 (Normalized to Unity)

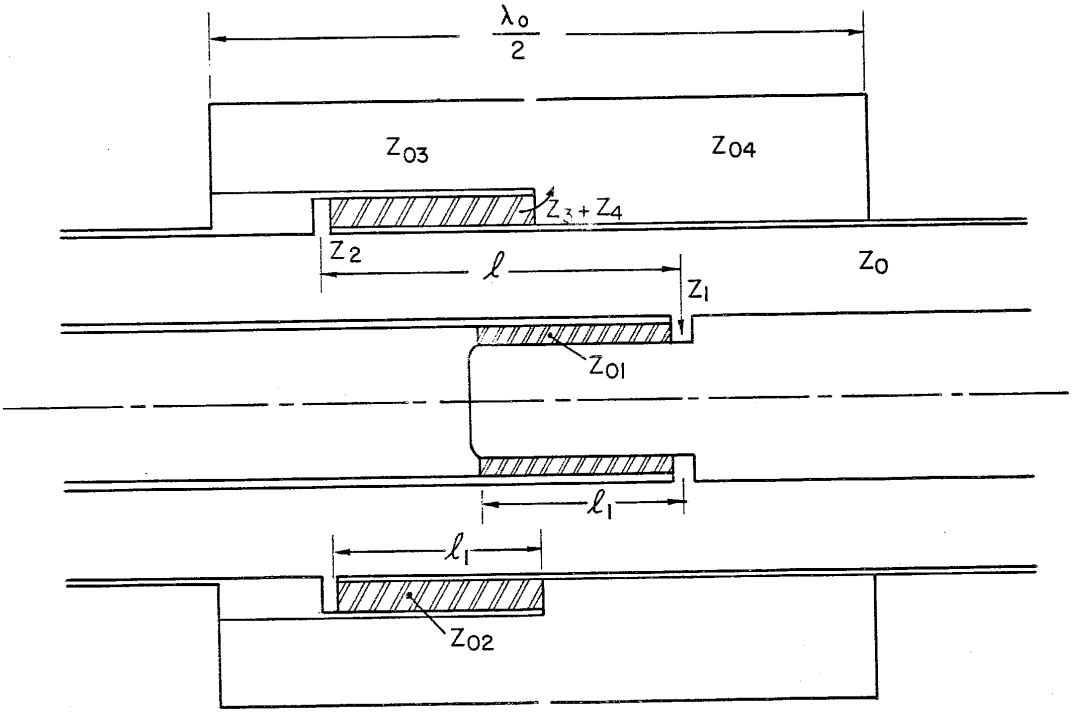


FIGURE 6 Broadband Coaxial Rotary Joint or dc Isolation Unit Design Using Choke Couplings

Approved For Release 2001/07/27 : CIA-RDP81B00878R001400100004-7

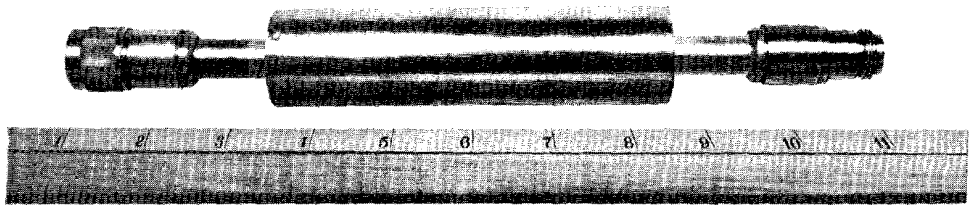


FIGURE 7 - DC Isolation Unit Built for 50 mc to 900 mc Operation (Insertion Loss Lass Than 0.5 db) Using The Choke Coupling Design Described. (Courtesy of Ramo-Wooldridge